

WHAT IS CLAIMED IS:

1. A self-drilling bone screw, comprising:
a body having a head at one end and a tip defining a generally flat
cutting edge at an opposite end thereof; and
a dual lead thread extending radially outwardly from the body in a
spiral path from the cutting tip towards the head.

2. The bone screw of claim 1, wherein the dual lead thread is multi-pitched.

3. The bone screw of claim 2, wherein the dual lead thread pitch is tapered towards the cutting tip and transitions to a straight thread towards the head.

4. The bone screw of claim 1, including a recess formed in the head configured to receive an end of an insertion tool.

5. The bone screw of claim 1, wherein the bone screw is comprised of a medical grade titanium alloy.

6. The bone screw of claim 1, wherein the bone screw is approximately 1.0 to 2.0 mm in diameter and approximately 3.0 to 6.0 mm in length.

7. A self-drilling bone screw, comprising:
a body having a head at one end and a tip defining a generally flat cutting edge at an opposite end thereof; and
a dual lead thread extending radially outwardly from the body in a spiral path from the cutting tip towards the head, the dual lead thread being multi-pitched such that the pitch of the thread is tapered towards the cutting tip and transitions to a straight thread towards the head.

8. The bone screw of claim 7, including a recess formed in the head configured to receive an end of an insertion tool.

5 9. The bone screw of claim 7, wherein the bone screw is comprised of a medical grade titanium alloy.

10 10. The bone screw of claim 7, wherein the bone screw is approximately 1.0 to 2.0 mm in diameter and approximately 3.0 to 6.0 mm in length.

11. A self-drilling, self-tapping bone screw, comprising:
a body comprised of medical grade titanium alloy of approximately 1.0 to 2.0 mm in diameter and approximately 3.0 to 6.0 mm in length, the body having a head at one end and a tip defining a generally flat cutting edge at an opposite end thereof;

a dual lead thread extending radially outwardly from the body in a spiral path from the cutting tip towards the head, the dual lead thread being multi-pitched such that the pitch of the thread is tapered towards the cutting tip and transitions to a straight thread towards the head; and

20 a recess formed in the head configured to receive an end of an insertion tool.